



Bogen IP Clock System



IP System Description

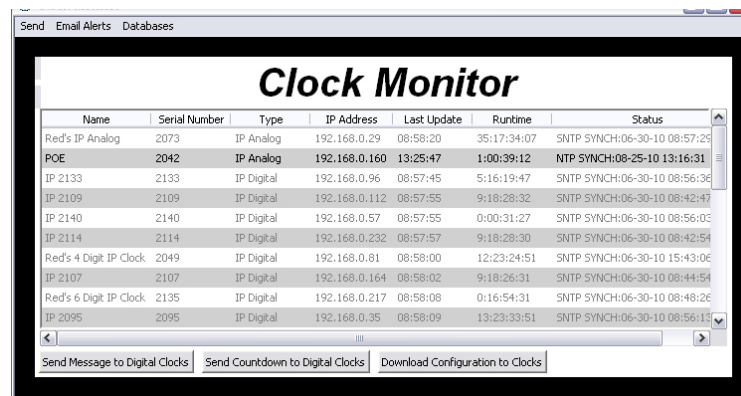
Bogen's IP Clock System is the perfect choice for a modern, state-of-the-art system with accurate timekeeping. Utilizing the Power over Ethernet protocol, each clock can receive power and data directly from an Ethernet cable, eliminating the need for excess wiring.

Bogen's IP Clock System contains some amazing features such as:

- IP Monitor Software - Supervise the entire clock system or make system-wide changes using this simple PC program.
- Built-in Web Interface - Each clock has a web interface built right in, allowing the user to set features such as 12/24 hour mode (digital clocks only), time zone offset, domestic and international Daylight Saving Time, etc.
- E-mail Alerts - Get notification of any power failures, major time changes, NTP/SNTP server synchronization issues, display faults or mechanical failures all through e-mail.
- Server Synchronization Redundancy - Store up to 10 internal or external NTP/SNTP server addresses to ensure synchronization in the event that one of the servers fails to communicate.
- Energy Efficient - Set the digital IP clocks to dim or turn off the display at a scheduled time for energy efficiency.

With all of these features available, Bogen's IP Clock System is the perfect solution for your timekeeping needs.

IP Monitor Software



Name	Serial Number	Type	IP Address	Last Update	Runtime	Status
Red's IP Analog	2073	IP Analog	192.168.0.29	08:58:20	35:17:34:07	SNTP SYNCH:06-30-10 08:57:25
POE	2042	IP Analog	192.168.0.160	13:25:47	1:00:39:12	NTP SYNCH:08-25-10 13:16:31
IP 2133	2133	IP Digital	192.168.0.96	08:57:45	5:16:19:47	SNTP SYNCH:06-30-10 08:56:36
IP 2109	2109	IP Digital	192.168.0.112	08:57:55	9:18:28:32	SNTP SYNCH:06-30-10 08:42:47
IP 2140	2140	IP Digital	192.168.0.57	08:57:55	0:00:31:27	SNTP SYNCH:06-30-10 08:56:03
IP 2114	2114	IP Digital	192.168.0.232	08:57:57	9:18:28:30	SNTP SYNCH:06-30-10 08:42:54
Red's 4 Digit IP Clock	2049	IP Digital	192.168.0.81	08:58:00	12:23:24:51	SNTP SYNCH:06-30-10 15:43:06
IP 2107	2107	IP Digital	192.168.0.164	08:58:02	9:18:26:31	SNTP SYNCH:06-30-10 08:44:54
Red's 6 Digit IP Clock	2135	IP Digital	192.168.0.217	08:58:08	0:16:54:31	SNTP SYNCH:06-30-10 08:48:26
IP 2095	2095	IP Digital	192.168.0.35	08:58:09	13:23:33:51	SNTP SYNCH:06-30-10 08:56:15

Rolling out system-wide changes to all clocks in your facility is simple with Bogen's Clock Monitor program. This easy-to-use PC program will display all of the clocks configured to the clock network and will give you the capability to send out a preset configuration to the entire system, saving you from setting each clock individually. The monitor program features a simple messaging feature that allows for sending numeric messages to all of the clocks or just a selected few. The IP digital clocks can be

manually set to count down from any time that is entered into the Monitor program. The Monitor program also offers a simple way to control any specific clock in the system. Need to adjust a digital IP clock to go to a specific time zone or set a specific clock to be in military time? No problem. Just locate the clock in the Monitor program and double click on it to open its web interface.

IP Products

BCMA Series NTP Server

Bogen's new BCMA Series NTP/SNTP Server is available in both a 7000 and 8000 version. The 8000 Series comes fully equipped with a crisp LED readout and a backlit two line LCD display. Programming the BCMA 8000 with up to 800 events is easy, thanks to the 2x8 rubber tactile keypad. The BCMA 7000 Series features a bright LED display with two push buttons for simple programming.



Standard Features:

- LED display for a clear, accurate readout
- Send NTP time out to any device
- Two line, backlit LCD display with 20 characters per line and a 2x8 rubber tactile keypad (BCMA 8000 only)
- RJ45 input for synchronization to any (S)NTP server
- Interfaces with other systems
- 12 or 24 hour mode
- Automatic biannual Daylight Saving Time changes (domestic and international)

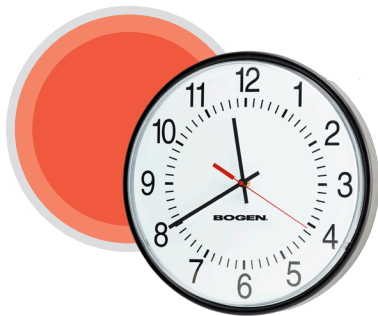


BCMA Series Options:

- GPS input for UTC synchronization
- Wireless transmitter/repeater for correction of Bogen wireless clocks
- Four or eight auxiliary relays with 800 event capability (BCMA 8000 only)
- Countdown feature (BCMA 8000 option); Digital clocks will count down a preset amount of time when the relay is activated

BCBP Digital and BCAP Analog IP Clocks

Bogen's IP analog and digital clocks are some of the most technologically advanced clocks in the industry. Each clock can be powered using the Power over Ethernet protocol and has a variety of features that give the user maximum flexibility for almost any application.



Standard Features:

- Available in four different voltage models
 - Power over Ethernet (802.3af protocol)
 - 24 VAC
 - 110 VAC
 - 220 VAC
- Extremely intuitive web interface built in
 - Control all of your settings from brightness to Daylight Saving Time through an easy-to-use web interface
- Monitor your entire clock system
 - View the status of your clock to ensure communication
 - Edit a specific clock's settings or apply settings to the entire clock system from one location
- Automatic e-mail generation to alert the user of any errors, power failures or time changes
- Made in the U.S.A.

BCAP Series Features:

- Smooth surface metal case or smooth surface ABS plastic case
- Side molded polycarbonate crystal
- BCAP Series offered in 12" and 16" round models

BCBP Series Features:

- BCBP Series offered in 2.5" or 4" high characters in 4 or 6 digit displays
- Countdown feature for displaying time between classes or breaks
- Elapsed timer capabilities with Bogen's Control Box
- 12 or 24 hour display
- Configurable alternating time/date in both American and European formats
- Two levels of adjustable brightness

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